

Vexcel Imaging / Microsoft Photogrammetry JACIE 2009 Annual Conference Fairfax, March 2009



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UltraCamXp Large Format Camera System

Microsoft





UltraCam Xp

- Key features
 - CCD size 6.0 μm
 - Image Format 17310 by 11310 Pixel (196 Megapixel)
 - Storage system 2 x 4.2 Terra byte
 - Storage system 6600 images
 - Lens system (100mm/33mm)



Microsoft/Vexcel Aerial Camera Evolution







UltraCamX, 9420 * 14430

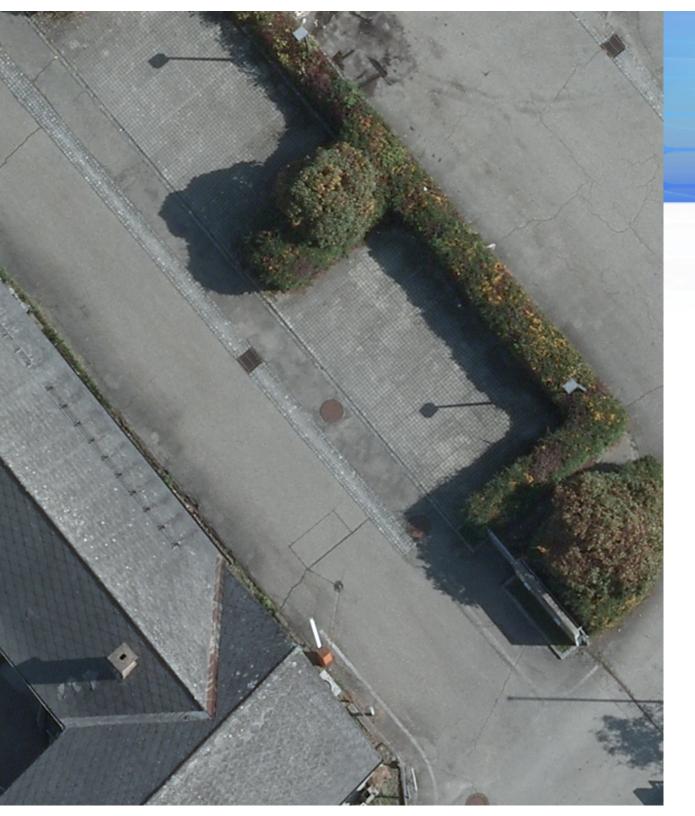


UltraCamXp, 11310 * 17310

UltraCamD

UltraCamX

UltraCamXp



UCXp Large Scale

Frame 142 (Detail) GSD 3 cm 500 AGL 60 m/sec





New Products

UltraCam L

UltraMap Platform

UltraMap AT



UltraCamL Camera System







UltraCamL

- Mapping camera with productive footprint (~UltraCamD)
- High quality panchromatic image
- True color RGB and Near Infrared simultaneously
- Les weight (55 kg) no separate Storage Unit
- SSD based storage system
- Smaller aircrafts, low power consumption





UltraMap Platform

- Distributed Processing of Raw Data (Level-0)
 - Covers all geometric and radiometric corrections based on the new stitching strategy
 - Creates new Level-2 DFI output also
- Simple UI which covers:
 - Start a new or load/save a project
 - Add/edit data and solve conflicts
 - Submit/track job
- Fast raw data import
- Automatic calibration verification





UltraMap AT

- Automated tie point collection
 - Feature-based
 - Area-based
- Integrated photogrammetric bundle adjustmemt
 - Blunder detection
 - Data snooping
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- Guided point measurement







